



NC/PMC/DD-W71/2019-20/HN-BS2

Date: 08-11-2019

1. TEST REPORT ON BITUMINOUS MIXES :
(STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample.

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1331	900
2	Marshall Flow at 60°C, mm.	3.28	2.0 - 4.0

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಬಿರಕಟ್ಟೆ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಪಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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KIRAN. R
M.E. (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NC/PMC/DD-W71/2019-20/HN-BC2

Date: 07-11-2019

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

TEST RESULTS

A. Type of Construction : Bituminous Concrete

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = 5.41 %

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
13.2	98.05	90-100
9.5	82.90	70-88
4.75	60.40	53-71
2.36	56.15	42-58
1.18	41.60	34-48
0.600	32.10	26-38
0.300	21.75	18-28
0.150	14.95	12-20
0.075	6.30	4-10

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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For Newzen Consultants Bangalore

KIRAN. K
M.E. (Civil-Engg)

10/11/19
Proprietor

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NC/PMC/DD-W71/2019-20/HN-BS1

Date: 06-11-2019

1.TEST REPORT ON BITUMINOUS MIXES : (STABILITY OF BITUMINOUS MIX)

Sub: To determine the stability of bituminous mix for BC mix sample.

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

TEST RESULTS

Table 1: Properties of BC (Gr-2) Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.o.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1317	900
2	Marshall Flow at 60°C, mm.	3.39	2.0 - 4.0

K. R.

KIRAN. R.
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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಕ್ಷಣ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಪುರಂ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

(For Newzen Consultants Bangalore)

Proprietor



NC/PMC/DD-W71/2019-20/HN-BC1

Date: 05-11-2019

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

TEST RESULTS

A. Type of Construction : Bituminous Concrete

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = 5.40 %

2. Gradation Test

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specifications- 2013 BC (Grading - 2)
19.0	100	100
13.2	97.60	90-100
9.5	86.10	70-88
4.75	68.45	53-71
2.36	52.20	42-58
1.18	40.15	34-48
0.600	29.65	26-38
0.300	27.25	18-28
0.150	15.10	12-20
0.075	5.75	4-10

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
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For Newzen Consultants Bangalore

M.E, (Civil-Engg)

Proprietor



NC/QC/DD-W13/2019-20/PH-CB2A

Date: 14-11-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	17-10-19	14-11-19	28	22500	645	28.67	28.59
	002	"	"	"	"	650	28.89	
	003	"	"	"	"	635	28.22	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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For Newzen Consultants Bangalore

Proprietor



NC/QC/DD-W13/2019-20/PH-CB1A

Date: 13-11-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	16-10-19	13-11-19	28	22500	650	28.89	28.52
	002	"	"	"	"	635	28.22	
	003	"	"	"	"	640	28.44	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಪಾಲಿಕೆ
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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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For Newzen Consultants Bangalore

Proprietor

NC/QC/DD-W13/2019-20/PH-CB2

Date: 24-10-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	17-10-19	24-10-19	07	22500	440	19.56	19.48
	002	"	"	"	"	445	19.78	
	003	"	"	"	"	430	19.11	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಸಬ್ ಡಿವಿಷನ್
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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NC/QC/DD-W13/2019-20/PH-CB1

Date: 23-10-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Providing Pot Hole Filling in Ward No.13 Mallasandra Shettyhalli Sub- Division.}

Ref.: Material testing/QC/19-20,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: S.M.Eregowda.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₅

TABLE 1.1:

SI No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	16-10-19	23-10-19	08	22500	435	19.33	19.26
	002	"	"	"	"	425	18.89	
	003	"	"	"	"	440	19.56	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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